

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet  
Spring 2016 Levee Inspection Results****Reclamation District No. 0827 Elkhorn**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 0827 Elkhorn**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	1.34
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2016 - 4/19/2016			
DWR Inspector	Jai Lor			
Accompanied By	Dan Ramos RD0827			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0827_01_s_2013_5				
Comment Code					
Inspector Comment					
RD 827 has a copy of the levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0827_01_s_2013_7				
Comment Code					
Inspector Comment					
RD 827 shares a maintained stockpile of Flood Response Material with RD 784.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0827_01_f_2014_9				
Comment Code					
Inspector Comment					
RD 827 works jointly with RD 784 on Flood Preparedness and Training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	215
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.661210 °	38.661210 °
				-121.613030 °	-121.613030 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39703 DS_ID:21163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No pipe was found only what appears to be an abandoned pump house on landward side. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch steel pipe through the levee, 9.1 feet below the crown. Pump in pumphouse on landward side not waterward side as mentioned in desk study. (USACE-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 69.50). FS Date: 3/18/2014					

No Photos

LM Start	0.03	Rating **	A	Issue No.	4
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.674862 °	38.668954 °
				-121.630072 °	-121.622552 °
DWR ID	DWR_RD0827_01_s_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA has maintained levee slopes.					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_4\_20160419\_00010.jpg



View of the vegetation on the waterward slope of the levee looking downstream. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.08	Rating **	C	Issue No.	3
LM End	0.08	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.674402 °	38.674402 °
				-121.629469 °	-121.629469 °
DWR ID	DWR_RD0827_01_f_2015_3				
Comment Code					
DE : Debris					
Inspector Comment					
Pallet has been removed.					

No Photos

LM Start	0.11	Rating **	U	Issue No.	10
LM End	0.11	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.674133 °	38.674133 °
				-121.629097 °	-121.629097 °
DWR ID	DWR_RD0827_01_s_2016_10				
Comment Code					
ST : Stairway					
Inspector Comment					
Railroad has put steps on the crown for the tourist train from the West City of Sac water plant. Stairs are not permitted and was placed this year Spring 2016.					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_10\_20160419\_00011.jpg



View of the stairs on the crown of the levee looking downstream. Spring 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.14	Rating **	U	Issue No.	11
LM End	0.14	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.673803 °	38.673803 °
				-121.628675 °	-121.628675 °
DWR ID	DWR_RD0827_01_s_2016_11				
Comment Code					
ST : Stairway					
Inspector Comment					
Railroad has put steps on the crown for the tourist train from the West City of Sac water plant. Stairs are not permitted and was placed this year Spring 2016.					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_11\_20160419\_00012.jpg



View of the stairs on the crown of the levee looking downstream. Spring 2016.

LM Start	0.24	Rating **	M	Issue No.	12
LM End	0.53	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.672749 °	38.669781 °
				-121.627333 °	-121.623587 °
DWR ID	DWR_RD0827_01_s_2016_12				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_12\_20160419\_00013.jpg



View of the rails on the crown of the levee looking downstream. Spring 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.28	Rating **	U	Issue No.	109
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.672406 °	38.672406 °
				-121.626828 °	-121.626828 °
DWR ID	DWR_RD0827_01_s_2014_109				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_109\_20160419\_00014.jpg



View of the erosion on the shoulder of the landward side of the levee looking downstream. Spring 2016.

LM Start	0.40	Rating **	C	Issue No.	6	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.671069 °		38.671069 °
				-121.625232 °		-121.625232 °
DWR ID	DWR_RD0827_01_f_2015_6					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Issue has been corrected.						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.51	Rating **	M	Issue No.	13
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.669929 °	38.669929 °
				-121.623776 °	-121.623776 °
DWR ID	DWR_RD0827_01_s_2016_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Rills caused by rain.					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_13\_20160419\_00015.jpg



View of the erosion on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.61	Rating **	A/W	Issue No.	22
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.668873 °	38.665750 °
				-121.622513 °	-121.618523 °
DWR ID	DWR_RD0827_01_s_2012_22				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD0827\_187\_22\_20160304\_00003.jpg



Revegetation site spring 2012.

LM Start	<b>0.61</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0827\_187\_22\_20160304\_00004.jpg



View of the revegetation site on the waterward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.73	Rating **	M	Issue No.	214
LM End	0.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.667731 °	38.667731 °
				-121.620992 °	-121.620992 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:38983  
DS\_ID:21147  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner to obtain additional information for this crossing. This crossing does not match original description listed in desk study. Need to coordinate with owner to obtain permit number authorizing modification.  
FIELD\_STRUCT\_DESC: 14-inch (not 16-inch as listed in desk study) pipe through the levee, 10.3 feet below the crown. 10-inch bypass pipe on waterward side. Siphon breaker on landward (not waterward) shoulder. Pump on platform (not mounted on 48-inch concrete pipe as described in desk study) on waterward bank. Metal (not wooden) walkway to the pump. 3/4-inch conduit through levee at unknown depth.  
FS Date: 3/18/2014

LM Start	<b>0.73</b>	Rating **	M	Issue No.	<b>214 (cont)</b>
LM End	<b>0.73</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_38983\_59737.jpg



Platform for pump located on waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_38983\_59736.jpg



Pipe visible on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	04/19/2016 04/19/2016	Jai Lor

LM Start	0.96	Rating **	M	Issue No.	213
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.665307 °	38.665307 °
				-121.617982 °	-121.617982 °
DWR ID	DWR_RD0827_01_s_2015_213				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_187\_213\_20160419\_00016.jpg



View of the slope stability on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.97	Rating **	M	Issue No.	8	
LM End	0.97	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.665213 °		38.665213 °
				-121.617886 °		-121.617886 °
DWR ID	DWR_RD0827_01_f_2015_8					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : SP\_2016\_RD0827\_187\_8\_20160304\_00002.jpg



View of the rodent hole on the waterward side of the levee looking downstream. Fall 2015.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 0827 Elkhorn**

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	2.78
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2016 - 4/19/2016			
DWR Inspector	Jai Lor			
Accompanied By	Dan Ramos RD0827			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	0.02	Rating **	U	Issue No.	10
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.676549 °	38.676549 °
				-121.642703 °	-121.642703 °
DWR ID	DWR_RD0827_02_f_2015_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It seems like someone poured water onto the levee slope and caused an erosion on the slope.					

LM Start	<b>0.02</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2016\_RD0827\_188\_10\_20160304\_00005.jpg



It seems someone poured a large amount of water over the levee slope and caused the erosion. Fall 2015.

Photo 2 of 2 : SP\_2016\_RD0827\_188\_10\_20160304\_00006.jpg



View of the erosion on the landward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.676440 °	38.669401 °
				-121.642747 °	-121.641417 °
DWR ID	DWR_RD0827_02_f_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_188\_2\_20160304\_00001.jpg



View of the ditch on the landward side of the levee looking downstream. Fall 2015.

LM Start	0.03	Rating **	M	Issue No.	15	
LM End	2.72	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.676442 °		38.642003 °
				-121.642779 °		-121.620938 °
DWR ID	DWR_RD0827_02_s_2016_15					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP\_2016\_RD0827\_188\_15\_20160419\_00023.jpg



View of the vegetation on the waterward side of the levee looking upstream. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	0.29	Rating **	M	Issue No.	16
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.672796 °	38.642004 °
				-121.642242 °	-121.620937 °
DWR ID	DWR_RD0827_02_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_188\_16\_20160419\_00024.jpg



View of the vegetation on the landward side of the levee looking upstream. Spring 2016.

LM Start	0.64	Rating **	M	Issue No.	390
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.667880 °	38.667880 °
				-121.640587 °	-121.640587 °
DWR ID	DWR_RD0827_02_s_2015_390				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0827\_188\_390\_20160304\_00010.jpg



View of the burrow on the water ward side of the levee looking upstream. Spring 2015.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	0.80	Rating **	U	Issue No.	394
LM End	0.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.665856 °	38.665856 °
				-121.639137 °	-121.639137 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43923 DS_ID:21153 EP_NO: 17403 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers present. Need to contact owner to determine if pipe still in use. FIELD_STRUCT_DESC: 2.37-inch steel gasoline/pipe through the levee, 50.0 feet below the crown. Gas well on landward side. (Permit No. 17403-2001) FS Date: 3/18/2014					

No Photos

LM Start	1.04	Rating **	U	Issue No.	393
LM End	1.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.662955 °	38.662955 °
				-121.636489 °	-121.636489 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38982					
DS_ID:24844					
EP_NO: 17403					
Repair Type: Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No markers visible on either banks. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 2.375-inch diameter steel natural gas pipeline across and under (bored) the left (east) bank levee of Yolo Bypass and Tule Canal. (Permit No. 17403-2007)					
FS Date: 3/18/2014					

Photo 1 of 2 : UCIP\_SP\_2016\_38982\_59662.jpg



Appurtenances for gas line located approximately 993 feet from levee crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	1.04	Rating **	U	Issue No.	393 (cont)	
LM End	1.04	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.662955 °		38.662955 °
				-121.636489 °		-121.636489 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38982						
DS_ID:24844						
EP_NO: 17403						
Repair Type: Urgent						
Crossing Status: Indicator Found						
UCIP Comments: No markers visible on either banks. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 2.375-inch diameter steel natural gas pipeline across and under (bored) the left (east) bank levee of Yolo Bypass and Tule Canal. (Permit No. 17403-2007)						
FS Date: 3/18/2014						

Photo 2 of 2 : UCIP\_SP\_2016\_38982\_59661.jpg



View of landward side.

LM Start	2.03	Rating **	U	Issue No.	395	
LM End	2.03	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.651052 °		38.651052 °
				-121.626501 °		-121.626501 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43843 DS_ID:21159 EP_NO: 15904 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Sign missing on WS and LS. Need to confirm status of crossing with permittee. Appears abandoned. FIELD_STRUCT_DESC: 3-inch steel pipe through the levee, 20.0 feet below the crown. Sign on waterward side. Yellow pipe visible east of ditch appr. 150 ft off LS toe. (Permit No. 15904-1992) FS Date: 3/10/2015						

Photo 1 of 2 : UCIP\_SP\_2016\_43843\_73360.jpg



View of LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	2.03	Rating **	U	Issue No.	395 (cont)
LM End	2.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.651052 °	38.651052 °
				-121.626501 °	-121.626501 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43843 DS_ID:21159 EP_NO: 15904 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Sign missing on WS and LS. Need to confirm status of crossing with permittee. Appears abandoned. FIELD_STRUCT_DESC: 3-inch steel pipe through the levee, 20.0 feet below the crown. Sign on waterward side. Yellow pipe visible east of ditch appr. 150 ft off LS toe. (Permit No. 15904-1992) FS Date: 3/10/2015					

Photo 2 of 2 : UCIP\_SP\_2016\_43843\_73361.jpg



Pipe visible east of ditch appr. 150 ft off LS toe.

LM Start	2.18	Rating **	M	Issue No.	388
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.649108 °	38.649108 °
				-121.625296 °	-121.625296 °
DWR ID	DWR_RD0827_02_s_2015_388				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	2.29	Rating **	M	Issue No.	24
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.647703 °	38.647703 °
				-121.624450 °	-121.624450 °
DWR ID	DWR_RD0827_02_s_2012_24				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Cracking along the levee slope is less than 200 feet in length. Monitor the slope for changes in cracking.					

Photo 1 of 1 : SP\_2016\_RD0827\_188\_24\_20160304\_00008.jpg



A buldge in the levee slope. Photo fall 2012.

LM Start	2.73	Rating **	M	Issue No.	392
LM End	2.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641922 °	38.641922 °
				-121.620884 °	-121.620884 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38984 DS_ID:21151 EP_NO: 3277 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears to have been removed and replaced under maintenance back in 2008. No permit has been found--need to contact owner to obtain additional information about replacement. Landward slope sloughing--does not appear to be associated with crossing. Landward slope is being monitored by LMA. FIELD_STRUCT_DESC: 18-inch (not 20-inch as noted in desk study) steel drainpipe through the levee, 4.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on pipe structure in drainage ditch at landward toe. Rock revetment on waterward slope. Pipe retained through levee and updates required to crossing under Permit No. 3277 (1960). FS Date: 3/18/2014					

Photo 1 of 2 : UCIP\_SP\_2016\_38984\_59769.jpg



View of pipe visible on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	2.73	Rating **	M	Issue No.	392 (cont)
LM End	2.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641922 °	38.641922 °
				-121.620884 °	-121.620884 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38984 DS_ID:21151 EP_NO: 3277 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears to have been removed and replaced under maintenance back in 2008. No permit has been found--need to contact owner to obtain additional information about replacement. Landward slope sloughing--does not appear to be associated with crossing. Landward slope is being monitored by LMA. FIELD_STRUCT_DESC: 18-inch (not 20-inch as noted in desk study) steel drainpipe through the levee, 4.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on pipe structure in drainage ditch at landward toe. Rock revetment on waterward slope. Pipe retained through levee and updates required to crossing under Permit No. 3277 (1960). FS Date: 3/18/2014					

Photo 2 of 2 : UCIP\_SP\_2016\_38984\_59768.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0827 Elkhorn**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	2.75	Rating **	M	Issue No.	391
LM End	2.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.641633 °	38.641633 °
				-121.620725 °	-121.620725 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:33032  
DS\_ID:21169  
EP\_NO: 5611  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Crossing appears to have been removed and replaced under maintenance back in 2008. No permit has been found--need to contact owner to obtain additional information about replacement.  
FIELD\_STRUCT\_DESC: [RD No. 827 Pumping Plant] 22-inch (not 24-inch as mentioned in desk study) steel drainpipe through the levee, 8.0 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on waterward slope. Flap gate on waterward end. Pipe is exposed along waterward slope. (USACE-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 3+75). Portion of pipe was removed and replaced, from landward side to waterward shoulder, under Permit No. 5611 (1968).  
FS Date: 3/18/2014

LM Start	<b>2.75</b>	Rating **	M	Issue No.	<b>391 (cont)</b>
LM End	<b>2.75</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_33032\_59778.jpg



Pipe exposed on waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_33032\_59777.jpg



Pump station located on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	04/19/2016 04/19/2016	Jai Lor

LM Start	2.77	Rating **	C	Issue No.	7
LM End	2.77	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.641337 °	38.641337 °
				-121.620586 °	-121.620586 °
DWR ID	DWR_RD0827_02_f_2015_7				
Comment Code					
DE : Debris					
Inspector Comment					
Debris has been cleared.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---